

ABSTRACT

In a state in which an optical disk having a warping amount equal to or smaller than a predetermined amount is attached to a spindle motor, an output of tilt detection result is stored as a reference tilt value in a memory. At this time, a control signal corresponding to a driving inclining amount in which inclining the objective lens by the driving inclining amount minimizes the inclination of the objective lens from the attached optical disk is stored as a reference control value in the memory. An CPU multiplies difference between a detection result of the tilt detection and the reference tilt value by a control constant, and adds the reference control value to the multiplied difference, and provides the thus-obtained control signal to a tilt driving circuit.

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